Distributed by:

JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

MEAN WELL

SWITCHING POWER SUPPLY

ISO-9001 CERTIFIED MANUFACTURER

Jameco Part Number 181884

P40A -SINGLE SERIES

.FULL RANGE AC INPUT
.COMPACT SIZE, LIGHT WEIGHT
.FULLY ENCLOSED PLASTIC CASE
.100% FULL LOAD BURN-IN TEST
.LED INDICATE FOR POWER ON
.MTBF:500000HRS BY MIL-HDBK-217F, NOTICE 2, PARTS COUNT
.SHORT CIRCUIT PROTECTED
.OVER LOAD PROTECTION
.OVER TEMP. PROTECTED
.OVER VOLTAGE PROTECTED
.APPROVALS:UL/CUL/TUV/CB/CE

TYPE NO. / SPECIFICATION	P40A-0P2J	P40A-1P2J	P40A-1-1P2J	P40A-2P2J	P40A-3P2J	P40A-4P2J	P40A-5P2J	P40A-6P2J	P40A-8P2J
SAFETY MODEL NO.	PSU40A-0	PSU40A-1	PSU40A-1-1	PSU40A-2	PSU40A-3	PSU40A-4	PSU40A-5	PSU40A-6	PSU40A-8
DC OUTPUT VOLTAGE	3.3V	5V	7.5V	9V	12V	15V	18V	24V	48V
OUTPUT V. TOLERANCE	±5%	±5%	±5%	±5%	±3%	±3%	±3%	±3%	±2%
OUTPUT RATED CURRENT	4.54A	5A	4A	3.88A	3.33A	2.66A	2.22A	1.66A	0.83A
OUTPUT CURRENT RANGE	0-4.54A	0-5A	0-4A	0-3.88A	0-3.33A	0-2.66A	0-2.22A	0-1.66A	0-0.83A
RIPPLE & NOISE (p-p)	50mV	50mV	80mV	80mV	80mV	100mV	100mV	150mV	150mV
LINE REGULATION	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%	±1%
LOAD REGULATION	±5%	±5%	±5%	±5%	±3%	±3%	±3%	±3%	±2%
DC OUTPUT POWER	15W	25W	30W	35W	40W	40W	40W	40W	40W
EFFICIENCY	68%	70%	72%	74%	75%	78%	78%	80%	82%
DC VOLTAGE ADJ.	FIXED								
INPUT VOLTAGE RANGE	90~264VAC 47~63Hz								
AC CURRENT	1A/230VAC								
AC INPUT CONNECTOR	IEC320-C14, 3PIN INLET								
INRUSH CURRENT	COLD START < 60A PEAK @ 230VAC								
LEAKAGE CURRENT	<0.35mA/240VAC								
OVERLOAD PROTECTION	PULSING MODE, RESET:AUTO RECOVERY								
OVER VOLTAGE PROTECTION	110%~140%								
OVER TEMP. PROTECTION	IC1 Tj 135°C TYPICALLY POWER SHUTDOWN								
TEMP. COEFFICIENT	±0.03% / °C (0~50°C)								
SETUP, RISE, HOLD UP TIME	200ms, 50ms, 16ms								
VIBRATION	10~500Hz, 2G 10min./1cycle, PERIOD FOR 60min. EACH AXES								
WITHSTAND VOLTAGE	I/P-O/P:3KVAC, I/P-FG:1.5KVAC FOR 1min.								
ISOLATION RESISTANCE	I/P-O/P, I/P-FG:500VDC / 100M Ohms min.								
WORKING TEMP., HUMIDITY	0°C~+30°C @ 100%LOAD, 40°C @ 60% LOAD, 20%~90% RH								
STORAGE TEMP., HUMIDITY	-20°C~+85°C, 10%~95% RH								
DIMENSION	108*67*36mm (L*W*H)								
WEIGHT; Q'TY/CARTON	0.3Kgs; 40PCS/CARTON								
SAFETY STANDARDS	UL1950, CSA22.2, EN60950 APPROVAL								
EMC STANDARDS	EN55022 CLASS B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,11 VERIFICATION								
LENGTH OF OUTPUT CABLE	180cm OF SPT-1, 18AWG*2C								
PLUG OF DC OUTPUT	2.1 X*5.5 X*11mm, CENTER POSITIVE								

NOTE：
1.ALL PARAMETERS ARE SPECIFIED AT 230VAC INPUT, RATED LOAD, 25°C 70% RH. AMBIENT.
2.TOLERANCE GINCLUDE SET UP TOLERANCE, LINE REGULATION, LOAD REGULATION.
3.RIPPLE & NOISE ARE MEASURED AT 20MHz BY USING A 12" TWISTED PAIR TERMINATED WITH A 0.1uF & 47uF CAPACITOR.
4.LINE REGULATION IS MEASURED FROM LOW LINE TO HIGH LINE AT RATED LOAD.
5.LOAD REGULATION IS MEASURED FROM 0% TO 100% RATED LOAD.

2000-08-22